SIEMENS

Dualphone

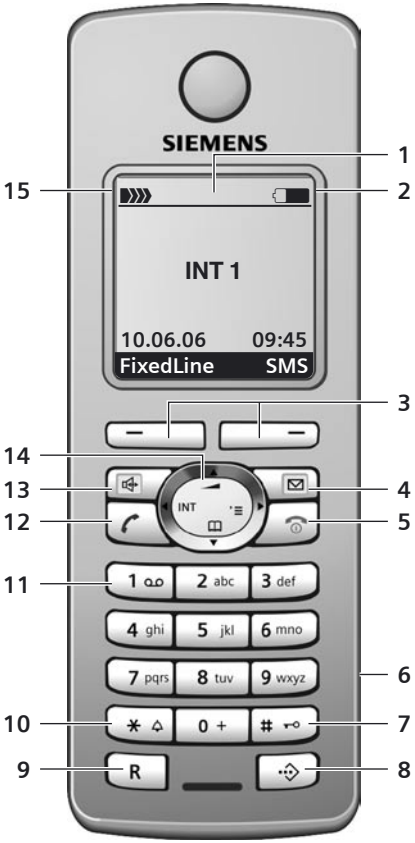
Single Cordless

Operating Manual

DP450

TESCO internet phone

The handset at a glance



Handset keys

1 **Display** in idle status (example)

2 **Battery charge status**
(1/3 charged to fully charged)
flashes: battery nearly empty
flashes: battery charging

3 **Display keys** (page 13)

4 **Message key**
Opens calls and message lists
Flashes: new message or new call

5 **End call key, On/Off key**
End call, cancel function, go back one menu level (press briefly), back to idle status (press and hold), activate/deactivate handset (press and hold in idle status)

6 **Connection socket for headset**

7 **Hash key**
Keypad lock on/off (press and hold, page 12)
Switch between upper/lower case letters and digits for text entry

8 **Call-by-call list key** (not for VoIP)
Open call-by-call list

9 **Recall key** (not for VoIP)
Enter flash (press briefly)
Insert a pause (press and hold)

10 **Star key**
Ringer tones on/off (press and hold in idle status)
Open special characters table

11 **Key 1** (press and hold)
Call the network mailbox

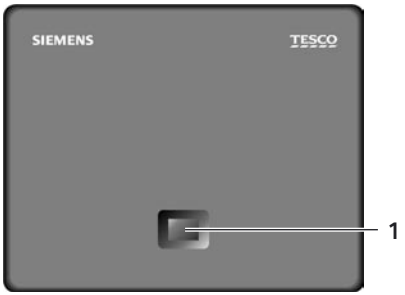
12 **Talk key**
Accept a call, open last number redial list (press briefly in idle status), select connection type and start dialling (press briefly/press and hold after entering the number, page 18)

13 **Handsfree key**
Switch between earpiece/handsfree mode
Lights up: handsfree talking activated
Flashes: incoming call

14 **Control key** (page 12)

15 **Signal strength**
(low to high)
flashes: no reception

Base Station at a glance



Base station key

1 **Paging key**
Lights up: LAN connection active (phone is connected to router)
Flashes:
data transfer to LAN connection
Press briefly: start paging
Press and hold:
set base station to registration mode

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Safety precautions

Warning:
Read the safety precautions and the user guide before use.
Explain their contents and the potential hazards associated with using the telephone to your children.

Only use the mains adapter supplied, as indicated on the underside of the base station.

Fit only the **recommended rechargeable batteries** (page 26) of the same type!
This means that you must not use any other battery type or non-rechargeable batteries as this could result in significant health risks and personal injury.

Insert rechargeable batteries with the correct polarity, and use them according to this user guide (symbols are attached to the inside or outside of the handset's battery compartment).

The operation of medical appliances may be affected. Be aware of the technical conditions in your particular environment, e.g. doctor's surgery.

Do not hold the rear of the handset to your ear when it is ringing or when the handsfree function is activated. Otherwise you risk serious and permanent damage to your hearing. The handset may cause an unpleasant humming noise in hearing aids.

Do not install the base station in bathrooms or shower rooms. The handset and base station are not splashproof (page 25).

Do not use your phone in environments with a potential explosion hazard, e.g. paint shops.

If you give your DP450 to someone else, make sure you also give them the user guide.

All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
This crossed-out wheeled bin symbol on the product means the product is covered by the European Directive 2002/96/EC.
The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.
For more detailed information about disposal of your old appliance, please contact your local council refuse centre or the original supplier of the product.

Please note:
If the key block is switched on, even emergency numbers cannot be dialled!
Not all of the functions described in this user guide are available in all countries.

DP450 – More than just a telephone

Your phone lets you make calls both via the fixed network and (cost effectively) via the Internet (VoIP) **without using a PC**.

And your phone can do much more besides:

- **Press a button** each time you make a call to indicate whether you want to make a call via the fixed network or via the Internet (page 10).
- Register up to **six** handsets to your base station. With your base station you can make two calls simultaneously via VoIP, or one call over the fixed network and one call via VoIP.
- Configure the phone connection for VoIP **without a PC**. Your phone's connection assistant downloads general data about your VoIP provider from the Internet and guides you through entering your personal data (VoIP/SIP account). This makes it easy for you to start using VoIP.
- If necessary, make any further VoIP settings on a PC. The phone has a Web interface (**Web configurator**) that can be accessed via your PC's Web browser (page 22).
- Assign your own password (**system PIN**) to protect your device and the Web configurator from unauthorised access (page 20).
- Send and receive **SMS messages** via the fixed network (page 16).
- Use your phone to obtain information about new **e-mail** messages in your mailbox **without a PC** (page 18).
- Save up to 150 numbers and names in your handset (page 14).
- Download your Outlook contacts from a PC into your handset. Or back up the handset directory on your PC.
- You can programme the keys of your phone with important phone numbers. The phone number is then dialled by simply pressing the respective key (page 14).
- Keep your hands free while making calls. Use the handsfree function on your handset or use a convenient headset (accessory, not included in the scope of delivery).
- Use your handset as an alarm clock (page 20).

You will find further information in the detailed user guide for your DP450 at www.tesco.com/internetphoneinstallationguide/

Your DP450 has a protected operating system that offers **increased security against viruses** from the Internet.

Have fun using your new telephone!

Setting the date and time

If the date and time are not yet set on the phone, the display key **Time** is displayed. You can set the date and time later via the menu ➔ **Settings** ➔ **Date/Time**.

- Press **Time** or open the menu.
- Change multiple line input:

Date:
Enter day, month and year in 6-digit format.

Time:
Enter hours and minutes as 4 digits (e.g. 0 + 7 pqrs 1 ␣@ 5 jkl for 7:15 a.m.

Save Press the display key.

The date and time are shown in the handset's idle display (page 1).

No connection to the Internet/VoIP server

If one of the following messages is displayed instead of the internal name after the connection assistant is closed, then a fault has occurred:

Server not accessible!

The phone has no connection to the Internet.

- ▸ Check the cable connection between the base station and the router (the LED on the base station must light up) and the connection between the router and the Internet connection.
- ▸ Check whether the phone is connected to the LAN. It might not have been possible to assign an IP address to the phone or the IP address has already been assigned to another LAN subscriber and cannot be changed.
- ▸ Find the IP address using the handset menu:
  → **Settings** → **Base** → **Local Network**
  - ▸ Start the Web configurator with the IP address.
  - ▸ If no connection can be established, change the settings on the router (activate DHCP server) or the phone's IP address.

Provider registration failed!

- ◆ Your personal data for registering with the VoIP provider may have been entered incompletely or incorrectly.
- ◆ Check your entries for , and . Particularly check your use of upper and lower case.
  To do this, open the following menu on your handset:
  → **Settings** → **Telephony** → **VoIP** → **Provider Registr.**
- ◆ The server address for the VoIP server has not yet been entered, or has been entered incorrectly.
  - ▸ Start the Web configurator.
  - ▸ Open **Settings** → **Telephony** → **Connections** Web page.
  - ▸ Edit the server address where necessary.

Please note:
If port forwarding is activated on your router for the ports that have been registered as the SIP port (Standard 5600) and the RTP port (Standard 5004), then it makes sense to switch off DHCP and assign the phone a static IP address (otherwise you may not be able to hear the other party during VoIP calls):

– Via the handset menu:
  → **Settings** → **Base** → **Local Network**

Or

– Via the Web configurator:
  - ▸ Open **Settings** → **IP Configuration** Web page.
  - ▸ Select **IP address type**.

Please note that the IP address and subnet mask depend on the router's address block.
You must also specify the default gateway and DNS server. The IP address for the router is generally entered here.

Menu tree

To open the main menu for your phone, with the habdset in idle status, press on the right of the control key: ⟨▲▼⟩

There are two ways to select a function:

Using the number combinations (“shortcut”)

- Enter the number combination that is in front of the function in the menu tree.
  Example: ⟨▲▼⟩ 5 jkl 4 ghi 1 ⌂⌂ for “Set hanset language”

Scrolling through the menus

- Scroll to the function with the control key ⟨▲▼⟩ (press up and down) and press OK.

1 Messaging

1-1	SMS	**An SMS mailbox (general or private) activated without a PIN**			
		1-1-1	New SMS		
		1-1-2	Incoming (0)		
		1-1-3	Outgoing (0)		
		An SMS mailbox with a PIN or 2-3 mailboxes activated			
		1-1-1	Mailbox	1-1-1-1	New SMS
				1-1-1-2	Incoming (0)
				1-1-1-3	Outgoing (0)
		1-1-2 to 1-1-4	Mailbox 1 to Mailbox 3	1-1-2-1 to 1-1-4-1	New SMS
				1-1-2-2 to 1-1-4-2	Incoming (0)
				1-1-2-3 to 1-1-4-3	Outgoing (0)
		1-1-6	Settings	1-1-6-1	Service Centres
				1-1-6-2	SMS Mailboxes
				1-1-6-3	Notify Number
				1-1-6-4	Notify Type
				1-1-6-6	Subscribe to SMS

1-2	E-mail	1-2-1	Inbox (0)		
		1-2-2	Settings	1-2-2-1	Incoming (POP3)
				1-2-2-2	Registration

2 Sel. Services

2-1	VoIP	2-1-6	Call Divert
		2-1-7	Call Waiting
2-2	Fixed Line	2-2-1	Withhold No.
		2-2-6	Call Divert
		2-2-7	Call Waiting
2-3	Ringback Off		

3 Alarm Clock

4 Add. Features

4-3	Room Monitor

5 Settings

5-1	Date/Time				
5-2	Audio Settings	5-2-1	Ringer Settings	5-2-1-1	Ext. Calls
				5-2-1-2	Internal Calls
				5-2-1-3	All
		5-2-2	Advisory Tones		
5-3	Display	5-3-1	Screen Picture		
		5-3-2	Colour Scheme		
		5-3-3	Contrast		
		5-3-4	Backlight		

5-4	Handset	5-4-1	Language		
		5-4-2	Auto Answer		
		5-4-3	Register H/Set		
		5-4-4	Select Base		
		5-4-5	Reset Handset		
5-5	Base	5-5-1	Calls List Type	5-5-1-1	Missed Calls
				5-5-1-2	All Calls
		5-5-2	Music on hold		
		5-5-3	System PIN		
		5-5-4	Base Reset		
		5-5-5	Add. Features	5-5-5-1	Repeater Mode
		5-5-6	Local Network		
		5-5-8	Software Update		
5-6	Voice Mail	5-6-1	Set Key 1	5-6-1-1	Network Mailb.
5-7	Telephony	5-7-1	Default Line	5-7-1-1	VoIP
				5-7-1-2	Fixed Line
		5-7-2	Connection Assist.		
		5-7-6	Fixed Line	5-7-6-1	Dialling Mode
				5-7-6-2	Recall
		5-7-7	VoIP	5-7-7-1	Show Stat. on HS
				5-7-7-2	Select Provider
				5-7-7-3	Provider Registr.

Not all menu items are described in this quick guide. You will find the full description in the detailed user guide for your DP450 on the Internet at www.tesco.com/internetphoneinstallationguide/.

Making calls with VoIP and the fixed network

Making an external call

External calls are those that are made via the public telephone network (fixed network) or the Internet (VoIP). You determine what type of connection you want to use when you dial.

Please note:
- You can make two parallel external calls on your base station (on two handsets): two calls via VoIP or one call each via VoIP and the fixed network.
- If you use VoIP to make a call to the fixed network, you will also have to dial the area code for local calls (depending on the VoIP provider).
  To avoid always having to enter the area code for local calls, you can also enter the area code in the configuration (with the Web configurator, see page 22). It will then be inserted automatically for local calls.

Selecting the type of connection via the talk key and making a call

Enter number/IP address and **briefly press/press and hold** the talk key or handsfree key.

A default connection is established on your phone (fixed network or VoIP, page 22).

- Press the talk key or handsfree key **briefly** if you want to make the call via the default connection.
- Press and **hold** the talk key or handsfree key if you want to make the call via the other type of connection.

Please note:
If you use a different GAP-compatible handset to the DP45, all calls will be made via the standard connection, even if you press and hold the talk key. If you want to use the non-default connection to make a call, enter a star (*) at the end of the number.

Selecting the type of connection via display keys and making a call

Precondition: FixedLine and/or IP are assigned to the display keys on your handset (DP45 default settingis to call over IP).

Fixed Line / IP
Press the display key to select the type of connection.

Enter number or select number from the directory.

Press the talk or handsfree key.

Entering an IP address

Via VoIP you can dial an IP address instead of a phone number.

- Press the star key to separate the parts of the IP address (e.g. 149*246*122*28).
- If necessary, press the hash key to attach the SIP port number of the person you are calling to the IP address (e.g. 149*246*122*28#5060).

Cancelling the dialling operation

You can cancel the dialling operation with the end call key.

Ending a call

Press the end call key.

Accepting a call

The handset indicates an incoming call by ringing and by the flashing handsfree key . The display shows the caller's number or name and the receive number the caller is calling (e.g. **for Fixed Line**, **for IP1** etc.).

Please note:
The handset will only indicate calls to receive numbers assigned to the handset (page 14). If no specific receive numbers are assigned, all calls are signalled on all handsets.

You can accept the call by:

- Pressing the talk key .
- Pressing the display key **Accept**.
- Pressing the handsfree key .

If the handset is in the charging cradle and the function is activated (page 9), the handset will take a call automatically when you lift it out of the cradle.

Switching between earpiece and handsfree mode

- Press handsfree key to activate/deactivate handsfree mode during a call.

If you wish to place the handset in the charging cradle during a call in handsfree mode:

- Press and hold the handsfree key while placing the handset in the charging cradle. If the handsfree key does not light up, press the key again.

Setting and dialling emergency numbers

You can store up to five emergency numbers in your telephone. The default setting for the phone is that these emergency numbers are always dialled via Tesco Internet Phone – irrespective of which connection type you select. If the Tesco Internet Phone network is not working the emergency call can be forced to the fixed network by **long pressing** the Talk Key (see page 1). The fixed network always supports general emergency numbers (e.g. establishing a connection to the **local** police emergency number).

You can enter or change emergency numbers on the **Dialing Plans** Web page in the Web configurator.

- Open the following Web page: **Settings** ➜ **Telephony** ➜ **Dialing Plans**.
- Enter your emergency numbers in the fields in the **Emergency Numbers** area. Change previously entered emergency numbers.
- Click on **Set** to save the settings.

Please note:
- You can use the Web configurator to display whether and which emergency numbers are saved on your phone.
- If you have used the Web configurator to deactivate the **Emergency calls always via fixed line** function and have entered an automatic local area code for VoIP calls (**Settings** ➜ **Telephony** ➜ **Dialing Plans**), the local area code will also be prefixed to the emergency numbers when they are dialled using VoIP.

Operating the handset

Activating/deactivating the handset

Press and hold the end call key.

You will hear the confirmation tone.

Activating/deactivating the keypad lock

Press and **hold** the hash key.

You will hear the confirmation tone. The icon appears in the display when the keypad lock is activated.

Control key

In this user guide, the side of the control key that you must press in the given operating situation is shown in black. Example: for "press up on the control key".

The control key has the following functions:

When the handset is in idle status

Open handset directory (press briefly/press and hold).

Open main menu.

Open list of handsets.

Adjust the ringer volume of the handset (page 19).

In lists and menus

/ Scroll up/down line by line.

Open submenu or confirm selection.

Go back one menu level or cancel.

In an input field

You can use the control key to move the cursor **up** , **down** , **right** or **left** .

During an external call

Open the directory.

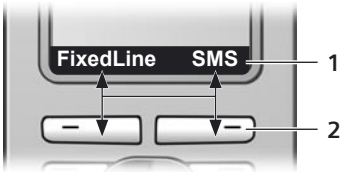
Initiate an internal consultation call.

Adjust the loudspeaker volume for operation in earpiece/handsfree mode.

Display keys

The current display functions are shown in the bottom display line in reversed highlights. The function of the display keys changes depending on the particular operating situation.

Example:



1 Current display key functions are shown in the bottom display line.
2 Display keys

Reverting to idle status

Reverting to idle status from anywhere in the menu:

▶ Press and **hold** the end call key.

Or:

◆ Do not press any key: after 2 minutes the display will **automatically** revert to idle status.

Changes that you have not confirmed or saved by pressing OK, Yes, Save, Send or Save OK will be lost.

You will find more information about operating your DP450 in the detailed user guide on the Internet at www.tesco.com/internetphoneinstallationguide/

Using the directory and lists

The options are:

- Directory, call-by-call list
- Last number redial list
- SMS, e-mail and messenger lists
- Calls list

Directory

You can save up to 150 numbers and names in the **directory**.

▶ Open the directory by **briefly** pressing the ⊙ key in idle status.

Length of an entry

Number: max. 32 digits
Name: max. 16 characters

Please note:
Always enter the phone number with a dialling code. You will need this if you want to call a fixed network subscriber via VoIP.
Alternatively, you can also specify an area code via the Web configurator that is placed before all numbers dialled without a dialling code.

Saving a number in the directory

⊙ → **New Entry**

▶ Change multiple line input:

Number :
Enter number.

Name :
Enter name.

Annivers.:
Press the display key **Edit** and enter the date, reminder time and type of signal.

Speed Dial :
Select the digit keys for speed dial (2 abc to 9 wxyz).

The number is dialled via the non-default connection if you press and **hold** the assigned digit key in idle status. Insert a hash (#) at the end of the number, if the number is to be dialled via the default connection

▶ Save changes with **Save**.

Please note:
If you add a star (*) to the end of the number, the number will be dialled via the non-default connection (page 21), even if you briefly press the talk key ✆.

Managing directory entries

⊙ → ⊙ (Select entry)

▶ Press the display key **View** to view the entry

Or

▶ Press the display key **Options** to open the directory menu.

You can use the directory menu to, e.g.:

- Change entries, delete entries, mark entries as a **VIP** (Very Important Person) or send them to other handsets connected to the base station
- Delete the directory or send it to another handset

You will find additional information in the detailed user guide for your DP450 on the Internet at
www.tesco.com/internetphoneinstallationguide

Last number redial list

The last number redial list contains the ten numbers last dialled with the handset.

✆ **Briefly** press the talk key to open the last number redial list.

Opening lists with the message key

You can open the following lists with the message key ✉:

- SMS list
  If **several** mailboxes are set up, several lists are displayed where applicable.
- Incoming e-mail list
  The list is only displayed if there are new messages in the mailbox on the incoming e-mail server.
- Network mailbox
  If your network provider supports this function and the network mailbox is set up for fast access via key 1 (page 9).
- Calls list
  You can configure your calls list to include all calls or just missed calls.
  ◉ → Settings → Base → Calls List Type

Please note:
Your calls list will only save calls made to the receiving numbers assigned to your handset (page 23).

An advisory tone sounds as soon as a **new message** arrives in a list. The ✉ key flashes (it goes off when the key is pressed). In idle status, the display shows an icon for the new message.

Icon	New message...
∞	... in network mailbox
	... in calls list
✉	... in SMS or e-mail list

The number of new entries is shown beneath the corresponding icon.

If you press the ✉ key, the lists containing messages will be displayed (exception: network mailbox). Lists with new messages are displayed in bold.

Opening a list

✉ → If necessary, select the list

◉ Select entry.

You will find additional information about the lists in the detailed user guide for your DP450 on the Internet at www.tesco.com/internetphoneinstallationguide/

Dialling from the directory/list

- Open the directory/list.
- Select entry via ◉.
- Press and **hold**/**briefly** press the talk key ✆ (page 10).

Please note:
You can only dial IP addresses via VoIP

SMS (text messages)

Your unit is supplied ready for you to send SMS messages immediately.

When an SMS is sent, the base station automatically establishes a connection via the fixed network.

Preconditions:

- Calling Line Identification is enabled for your fixed network connection.
- Your network provider supports SMS in the fixed network (information on this can be obtained from your network provider).
- You are registered with your service provider to send and receive SMS.

Please note:
When you call up the SMS menu for the first time, you are automatically registered with accessible SMS centres for which you have entered numbers. You can then receive SMS messages from these SMS centres.
You can enter more SMS centres and use the registration wizard to register with these SMS centres. Please refer to the detailed user guide for your DP450 on the Internet at www.tesco.com/internetphoneinstallationguide/

Writing/sending/saving an SMS

◉ → ✉ Messaging → SMS → (mailbox, mailbox PIN)

New SMS — Select and press OK.

Write an SMS.

Options — Press the display key.

Save — Select and press OK.
The message is stored in the draft message list. You can edit and send it later.
Open the draft message list:
◉ → ✉ Messaging → SMS → (mailbox, mailbox PIN) → Outgoing

Or

Send — Select and press OK.

SMS — Select and press OK.

◉ / — Select number with area code (even if you are in that area) from the directory or enter directly. If necessary, add the mailbox ID to the end of the number.

Options — Press the display key.

Send — Select and press OK.

Linking SMS messages

If an SMS contains more than 160 characters or large image data, it is sent (up to eight messages) and received as a **linked** SMS.

When writing an SMS you will see the following displayed in the top right of the header (example):

1 Maximum number of characters you may still write or add (assuming 8 linked SMS messages)
2 Number of SMS messages that have had to be linked for the text written so far.

Please note that linking SMS messages generally results in higher charges.

Receiving/reading an SMS

All received SMS messages are saved in the incoming message list. Linked SMS messages are displayed as **one** message. If this is too long or has not transferred completely, it will be split into individual messages.

New SMS messages are signalled on all DP45 handsets by the ✉ icon in the display, the flashing message key and an advisory tone.

Opening the incoming message list

- Press message key and if necessary select mailbox and enter mailbox PIN.

Or

- Open menu ➔ ✉ ➔ Messaging ➔ SMS (mailbox, mailbox PIN) ➔ Incoming.

Reading an SMS

- Press the display key Read.

Managing SMS lists

Via the options in the incoming/draft message list you can, for example:

- Delete individual SMS messages or the entire list
- Forward or reply to an SMS
- Continue writing and send SMS messages stored in the draft message list.

- Select the SMS and press Options.

Notification by SMS

When out and about, you can arrange to be notified about missed calls by SMS.

Storing the notification number

➔ ✉ Messaging ➔ SMS ➔ Settings ➔ Notify Number

- Enter the number of a mobile phone or another device with SMS functionality to which the notification is to be sent. (**Warning**: Do not enter your own landline number!)

Activating notification

➔ ✉ Messaging ➔ SMS ➔ Settings ➔ Notify Type

- Set if you want SMS notification.
- Save with Save.

Please note that your network provider usually charges for SMS notifications.

You will find further information in the detailed user guide for your DP450 on the Internet at www.tesco.com/internetphoneinstallationguide/

E-mail notifications

Your phone will inform you when new e-mail messages have arrived in your incoming e-mail server.

Periodically (approx. every 15 min.) it establishes a connection to the e-mail server and checks whether new messages are present.

New e-mail messages are indicated on all registered DP45 handsets by an advisory tone and by a flashing message key ✉. The ✉ icon is shown in the idle display.

Preconditions:

- You have established an e-mail account with an Internet provider.
- The incoming e-mail server uses the POP3 protocol.
- You have stored the name of the incoming e-mail server and your personal access data (account name, password) in the phone.

Entering access data for the incoming e-mail server

Entering access data

◉ → ✉ Messaging → E-mail → Settings → Registration

▸ Change multiple line input:

Username:
Enter user name (account name) (max. 32 characters).

Authent. Password:
Enter password (this is case sensitive).

Press the display key Save.

Entering the incoming e-mail server

◉ → ✉ Messaging → E-mail → Settings → Incoming (POP3)

▸ Enter the name of the incoming e-mail server (POP3 server).

▸ Select Options → Save and press OK.

Opening the incoming message list

◉ → ✉ Messaging → E-mail → Inbox

Or, if there are new e-mail messages (the message key ✉ flashes):

✉ → E-mail:

The phone establishes a connection to the incoming e-mail server. The list of e-mail messages stored there is displayed.

The sender's name and e-mail address (single line, abbreviated if necessary) are displayed as well as the date and time (the date and time only have correct values if the sender and recipient are located in the same time zone).

Viewing the header of an e-mail

◉ Select e-mail entry.

Subject Press display key.

The subject of the e-mail message (max. 120 characters) is displayed.

↩ Now press the display key to return to the incoming message list.

Viewing the sender's address for an e-mail

◉ Select e-mail entry.

From Press the display key.

The sender's e-mail address is displayed in full.

↩ Now press the display key to return to the incoming message list.

Handset/base station settings

The handset and base station are preconfigured, but you can change these settings to suit your individual requirements. You will find the relevant functions in the submenus
➔ **Settings** and ➔ **Alarm Clock** (page 7).

The base station settings are carried out using a registered DP45 handset.

Changing the handset display keys

You can assign different functions to your handset's display keys. The change is handset-specific.

▶ In idle status, press and hold the right or left display key (e.g. **FixedLine**).

The list of possible key assignments is opened.

Select a function and press **OK**.

The handset returns to idle status. The labelling for the display key has changed (e.g. **IP** if **IP Call** is selected).

Adjusting the loudspeaker volume

You can set the loudspeaker volume for handsfree talking to five different levels and the earpiece volume to three different levels. You can only make these adjustments during a call. The handsfree talking volume can only be adjusted when this function is set.

You are conducting an external call.

Open menu.

Select volume.

Save Press display key if necessary to save the setting permanently.

If is assigned with another function, e.g. toggling:

Options Open menu.

Volume Select and press **OK**.

Configure setting (see above).

Setting ringer tones

Set the volume and melody depending on the type of signalling required.

➔ **Settings** ➔ **Audio Settings** ➔ **Ringer Settings**

Ext. Calls / **Internal Calls** / **All** Select and press **OK**.

▶ Change multiple line input:

Set volume (1–6).

Scroll to the next line.

Select melody.

Save Press the display key to save the setting.

In idle status, you can also open the **Ringer Settings** menu by pressing **briefly**.

Activating/deactivating the ringer tone

You can deactivate the ringer tone on your handset before you accept a call or when the handset is in idle status; the ringer tone can be deactivated permanently or just for the current call. The ringer tone cannot be re-activated while an external call is in progress.

Deactivating the ringer tone permanently

Press and hold the star key until the icon appears in the display.

Re-activating the ringer tone

Press and **hold** the star key.

Deactivating the ringer tone for the current call

Silence Press the display key.

Activating/deactivating advisory tones

→ Settings → Audio Settings → Advisory Tones

▶ Change multiple line input:

Key Tones: / Confirm.:
Select **On** or **Off**.

Battery
Select **On**, **Off** or **In Call**. The battery warning tone is only activated/deactivated and only sounds during a call.

▶ Save changes with **Save**.

Setting the alarm clock

Precondition: The date and time have already been set (page 5).

Activating/deactivating the alarm clock and setting the wake-up time

→ Alarm Clock

▶ Change multiple line input:

Activation:
Select **On** or **Off**.

Time:
Enter the wake-up time in 4-digit format.

Melody:
Select melody.

Volume:
Set the volume (1-6).

▶ Save changes with **Save**.

You will see the ⏰ icon.

When the alarm clock rings...

Alarm repeat after 5 minutes

Snooze Press the display key or any key.

After the second repetition the wake-up call is deactivated for 24 hours.

Deactivating the alarm clock for 24 hours

OFF Press the display key. The wake-up call is deactivated.

Changing the system PIN on the base station

You can change the base station's 4-digit default system PIN ("0000") to a 4-digit system PIN known only to yourself.

→ Settings → Base → System PIN

Enter the current system PIN and press **OK**.

Enter the new system PIN.

Scroll to the **Re-enter PIN:** line.

Now re-enter the new system PIN and press **OK**.

For security reasons, "****" is displayed instead of the system PIN.

Press and **hold** (idle status).

Restoring factory settings

Each individual handset setting is reset, in particular the language, display, volume, ringer tone, advisory tones and alarm clock settings (page 19).

The last number redial list is cleared.

Entries in the directory, the date and time and the handset's registration to the base station will be retained.

→ Handset → Reset handset

Yes Press the display key.
You can cancel the factory reset by pressing or the display key **No**.

Press and hold (idle status).

Restoring the base station to the factory settings

Resetting the base station via the menu

Each individual setting is reset, in particular:

- VoIP settings such as VoIP provider and account data and DTMF settings
- Settings for the local network (page 21)
- Default connection (page 21)
- The names of the handsets
- SMS settings (e.g. SMS centres)
- Answer machine settings (announcements are deleted)
- Settings for the connection to the PABX.

SMS lists, the answer machine list and the calls list are deleted.

The date and time and the system PIN are retained. The handsets are still registered.

→ Settings → Base → Base Reset

Enter the system PIN and press OK.

Yes Press the display key to confirm.

Resetting the base station using a key on the base station

As with resetting the base station via the menu, all individual settings are reset. The system PIN will also be reset to "0000" and **all handsets registered above and beyond the delivery scope are deregistered.**

Please note:
For information on how to reregister the handset after resetting it, where applicable, please see the full user guide for your DP450 on the Internet.

- Remove the cable connections from the base station to the router and fixed network.
- Remove the base station mains unit from the socket.
- Press and hold the registration/paging key (page 1).
- Plug the mains unit back into the power socket.
- Continue to press and hold the registration/paging key (at least 2 sec.).
- Release the registration/paging key. The base station has now been reset.

Setting default connection

You can make settings according to whether you want to make calls via VoIP or fixed network by default (press talk key **briefly**).

→ Settings → Telephony → Default Line

VoIP / Fixed Line
Select and press OK (☑ = on).

Checking the base station MAC address

In idle status:

5 jkl 5 jkl 9 wxyz 2 abc 0 +

The base station MAC address is displayed.

Press and **hold** (idle status).

Web configurator

The Web configurator is the Web interface for your handset. It allows you to make the settings for your phone's base station via your PC's Web browser.

Preconditions:

- A standard Web browser is installed on the PC, e.g. Internet Explorer version 6.0 or higher, or Firefox version 1.0.4 or higher.
- The phone and PC are connected to each other via a router.

Connecting the PC to the Web configurator

- Launch the Web browser on your PC. **Precondition**: The settings of an available firewall on the PC allow the PC and telephone to communicate with each other.
- Enter the phone's IP address into the address field of the Web browser, e.g. http://192.168.1.2.
- You can check the phone's current IP address on the handset: ➜ Settings ➜ Base ➜ Local Network
- Press the return key.

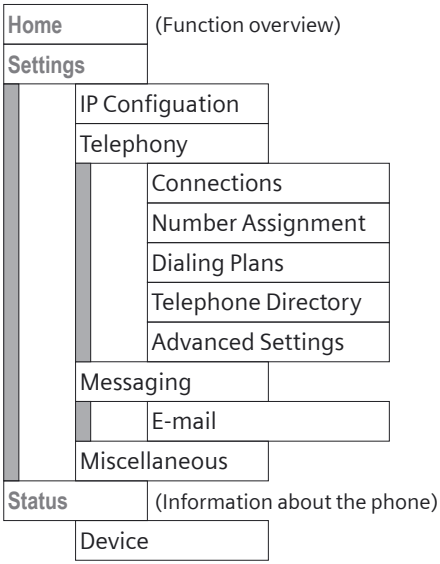
A connection is established to the phone's Web configurator.

De-registering

In the menu bar at the top right of every Web page in the Web configurator, you will see the command. Click on to de-register from the Web configurator.

Web configurator functions

Menu tree



Settings

With the Web configurator on your phone you have the following options:

- **IP Configuration**

  Configure your phone access to the local network (IP address, gateway to the Internet).

  Especially if you assign your phone a static IP address, you must enter the gateway and DNS server via the Web configurator. That is usually your router.

- **Telephony ➜ Connections**

  Configure your phone for VoIP. Download your VoIP provider's general access data from the Internet onto your phone or enter the data yourself.

  Enter the personal access data of up to six VoIP accounts (VoIP phone numbers).

  Activate/deactivate these VoIP phone numbers as required.

  The phone registers with the VoIP server using the activated VoIP phone numbers and can be reached under these numbers.

- **Telephony ➜ Number Assignment**

  Assign each registered handset its own VoIP phone numbers as send and receive numbers.

  State which handsets are to ring when calls are made to your fixed network number.

- **Telephony ➜ Dialing Plans**

  Save emergency numbers on your telephone.

  You can also activate or deactivate the following dialling rules:

  – For VoIP calls, an area code is automatically attached in front of all numbers that do not start with 0. Specify this dialling code.

  – Stored emergency numbers are always dialled via the fixed network. The stored emergency numbers are displayed. You can enter a phone number of your own.

- **Telephony ➜ Telephone Directory**

  Store your outlook contacts in a tsv file on your PC and load this onto your handset. The contacts are copied to the handset directory.

  Back up the directories for your handsets on a PC.

- **Telephony ➜ Advanced Settings**

  – Specify port numbers that the phone should use for VoIP telephony.

  – For VoIP, specify how DTMF signals are to be transferred and/or converted: either in voice packets or in SIP info packets. DTMF signalling is used, for example, to check and control some network mailboxes. Ask your VoIP provider which type of DTMF signalling is supported.

- **Messaging**

  Enter the access data for your e-mail server.

- **Miscellaneous**

  State whether you wish to receive information about new firmware versions on the Internet.

  For the following firmware update you can specify the server/PC that is to make the update, and if required load new firmware onto the phone.

  View the VoIP status codes on the handset to diagnose problems with VoIP connections.

You will find the description of the Web configurator in the detailed user guide for your DP450 on the Internet at www.tesco.com/internetphoneinstallationguide/

Appendix

Care

- Wipe down the base station and handset with a **damp** cloth (no solvents) or an antistatic cloth.

Never use a dry cloth. This can cause a build up of static.

Contact with liquid ⚠

If the handset has come into contact with liquid:

- **Switch the handset off and remove the batteries immediately.**
- Allow the liquid to drain from the handset.
- Pat all parts dry, then with the battery compartment open and the keypad facing down place the handset in a dry, warm place **for at least 72 hours** (**not** in a microwave, oven etc.).
- **Do not switch on the handset again until it is completely dry.**
- When it has fully dried out, you will normally be able to use it again.

Authorisation

This device is intended for analogue phone lines in the UK.

Voice over IP telephony is possible via the LAN interface if an additonal modem has been connected.

Country-specific requirements have been taken into consideration.

We, Siemens Home and Office Communication Devices GmbH & Co. KG, declare that this device meets the essential requirements and other relevant regulations laid down in Directive 1999/5/EC.

A copy of the 1999/5/EC Declaration of Conformity is available at this Internet address:
http://www.siemens.com/gigasetdocs.

CE 0682

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Specifications

Recommended batteries

(Valid at the time of going to press)
Nickel-metal-hydride (NiMH):

- Sanyo Twicell 650
- Sanyo Twicell 700
- Panasonic 700 mAh "for DECT"
- GP 700 mAh
- Yuasa Technology AAA Phone 700
- VARTA Phone Power AAA 700 mAh
- GP 850 mAh
- Sanyo NiMH 800
- Yuasa Technology AAA 800

The handset is supplied with two recommended batteries.

Handset operating times/charging times

The following information relates to batteries with a capacity of 650 mAh.

Standby time	approx. 170 hours (7 days)
Talktime	approx. 13 hours
Charging time	approx. 6 hours

The operating and charging times apply only when using the recommended batteries.

Please note:
When the display backlight is switched on, the standby time of the handset is reduced to approx. 30 hours.

Base station power consumption

Depending on current status, around 2.5 W.

General specifications

Interfaces	Fixed network, Ethernet
No. of channels	60 duplex channels
Radio frequency-range	1880–1900 MHz
Duplex method	Time multiplex, 10 ms frame length
Channel grid	1728 kHz
Bit rate	1152 kbit/s
Modulation	GFSK
Language code	32 kbit/s
Transmission power	10 mW, average power per channel
Range	up to 300 m outdoors, up to 50 m indoors
Base station power supply	230 V ~/50 Hz
Environmental conditions in operation	+5 °C to +45 °C; 20% to 75% humidity
Dialling mode	DTMF (touch tone dialling)/DP (dial pulsing)
Flashing time	250 ms
Codecs	G711, G726, G729AB with VAD/CNG
Quality of Service	TOS, DiffServ
Protocols	DECT, GAP, SIP, RTP, DHCP, NAT Traversal (STUN), HTTP

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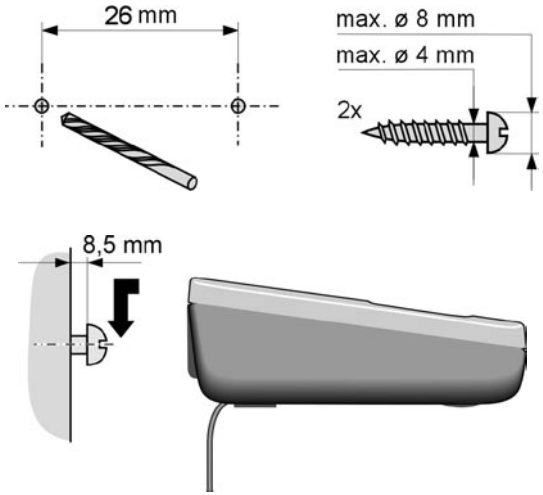
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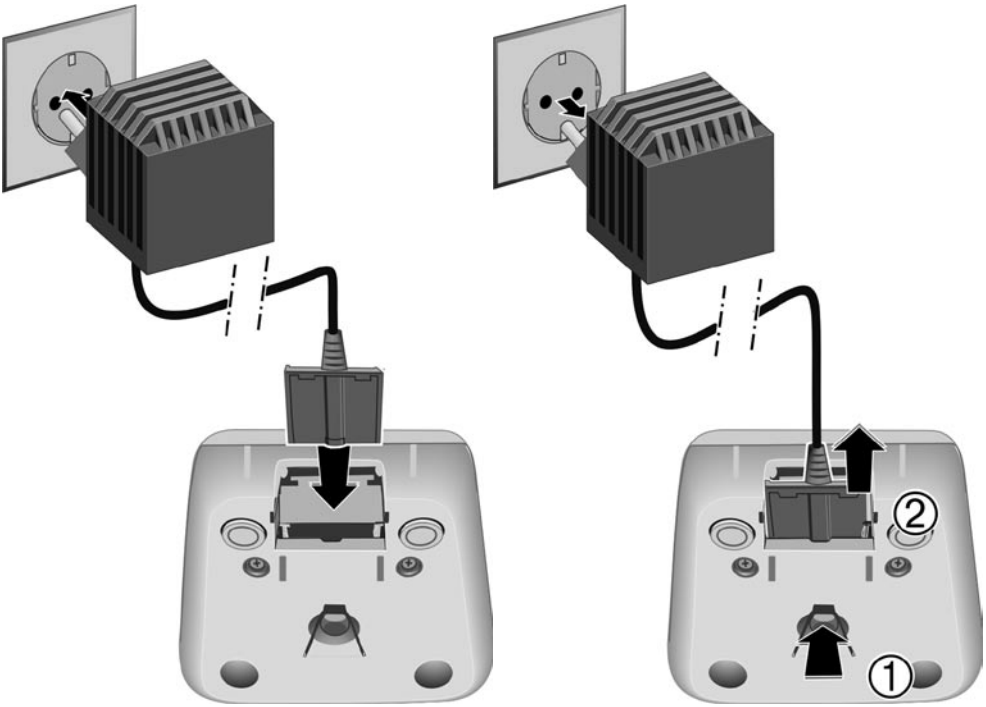
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